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MODIS.DATA.TEAM
bj: MODIS SDST Minutes 03/20/92

DIS Science Data Support Team (SDST) Meeting Minutes 03/20/92

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XT MEETING: Date Time Building Room
Friday, March 27 10:00 am 22 G95

PICS:

MODIS DATA PRODUCT ATTRIBUTES: The SDST will send copies of tables of MODIS data product attributes to the Team Members updating. The updated information will be a candidate topic discussion at the Science Team Meeting (April 14 to 16, 92).

MODIS AIRBORNE SIMULATOR (MAS): Liam Gumley presented a us report on MAS processing and software development, luding work on a program to accurately estimate the time set between the MAS and INS clocks based on a cross relation of the roll information from the two systems.

e NASA Master Directory (MD) was found to be an appropriate ce to set up a directory service for the MAS data. The NASA mate Data System (NCDS) offers the type of guide service and entory service needed for MAS. The NCDS is an appropriate ce to handle the MAS data catalog until this function can be en over by the Version 0 DAAC. A description of the NCDS was luded in the handout.

celerating MAS processing while using less of Liam's time can accomplished by providing part-time support by a data-tech and providing more adequate hardware resources on the FTP site out 5 GB of dedicated disk space in a workstation with Exabyte 9-track magnetic tape drives). I/O speed is more important n CPU speed for MAS Level-1 processing.

CLOUD OPTICAL PROGRAM: Tom Goff reported that Mike King's

ud optical program is now executing on the LTP SGI Iris
nputer. A key step in the porting was placement of large data
ays into a common block. These arrays had been in subroutine
ument lists which produced stack overflow conditions since the
passes arguments by value rather than address. All of the
sons learned" in porting the Cloud Optical program will be
ected in the guidelines for Team Members science algorithms.

TION ITEMS:

03/92 [Team]: Check on the set of software engineering tools
ilable in Code 530 to see if any of these would be of use to
SDST. (Arrangements are being made to have Frank McGarry
ne to one of the MODIS SDST meetings and talk about the tools
y use and would recommend. This will have to occur after the
nce team meeting because of Frank McGarry's schedule.)
ATUS: Open. Due date 02/14/92.

17/92 [Tom Goff]: Have a polished version (with peer review)
he file dump routine ready for the MODIS Science Team
eting. (Copies of the finished version together with RDC
rnal review comments were given to Ed Masuoka to pass on to
ll Webster for use by the SDST software review committee.)
ATUS: Open. Due date 04/01/92.

21/92 [Ed Masuoka]: Talk to Code 930 and find out what tools
y have for porting data between computers from different
dors. (Ed says the U-Lab is purchasing QA Fortran and QA C.
will talk to Bill Mish about data conversion.) STATUS: Open.
e date 03/13/92.

21/92 [Lloyd Carpenter and Team]: Identify a list of risks
ociated with porting Team Members' algorithms to the PGS.
pare these for discussion at the Science Team Meeting.
ATUS: Open. Due date 04/01/92.

28/92 [Liam Gumley]: Develop a plan to accelerate MAS
cessing using less of Liam's time. (The plan was included in
handout and presented at the 03/20/92 meeting.) STATUS:
sed. Due date 03/20/92.

13/92 [Ed Masuoka and Liam Gumley]: Find out what is involved
etting up the catalogue for MAS data. (The information was
luded in the handout and discussed in the meeting on
20/92.) STATUS: Closed. Due date 04/03/92.

20/92 [Liam Gumley]: Make a list of candidate algorithms to
MAS data (to be discussed at the Science Team meeting).
rt with the atmospheres group. STATUS: Open. Due date
27/92.

20/92 [Tom Goff]: Ensure that every problem identified in
ting Mike King's code is addressed in the Team Member coding

delines. STATUS: Open. Due date 03/27/92.

20/92 [Lloyd Carpenter]: Gather the MODIS Data Product
ributes information, and write a cover letter to Team Members
updating the information, and discussion at the Team Meeting.
ATUS: Open. Due date 03/27/92.